

PATENT ABSTRACTS OF JAPAN

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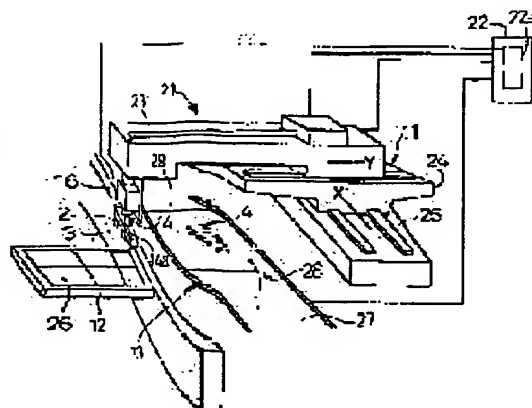
(22)Date of filing : 27.10.1998 (72)Inventor : NAKAO OSAMU
YOSHIDA NORIAKI
TAKEDA TAKESHI

(54) COMPONENT MOUNTING METHOD AND APPARATUS THEREFOR

(57)Abstract:

PROBLEM TO BE SOLVED: To enable positively mounting without excessive pressure, to enable judging whether sucking of a component is perfect or not and taking actions for imperfect sucking, if required, by switching a linear motor from a moving downward operation to a pressing operation, and completing holding and/or mounting the component under the predetermined pressing condition.

SOLUTION: A suction nozzle 14a is moved vertically in a component supplying section 12 and a component mounting section 13 on a moving mechanism 11 for moving the nozzle 14a to the component supplying section 12 and the component mounting section 13. A linear motor 16 for making a component such as a connector 3, etc., picked up and mounted is feedback-controlled, and by an moving down operation, the nozzle 14a before holding the component is closed to and contacted with the component such as the connector 3, etc., to be worked thereby, or the connector 3, etc., held by the nozzle 14a is closed to and contacted with the circuit board 1 to be worked thereby. A control means 22 is provided. This means switches the linear motor 16 from the moving-down operation to the pressing operation based on a change in information at the time of contact, and completes holding and mounting of the component such as the connector 3, etc., under the predetermined pressing condition.



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